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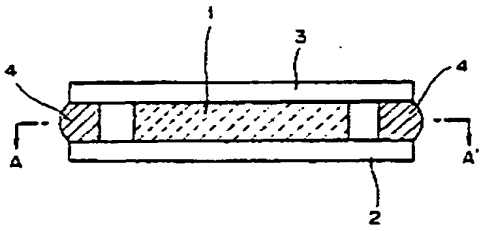
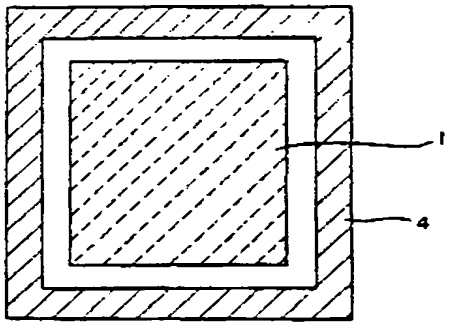
TITLE : MANUFACTURE OF RADIOGRAPH TRANSFORMATION PANEL





ABSTRACT : PURPOSE: To form a radiograph transformation panel provided with a stimulable phosphor layer which gives a highly clear radiographs, is less in sensitivity unevenness, and has an excellent durability by maintaining the temperature of the supporting body and protective layer of the panel at a level when the sealing member of the panel is hardened so that the temperature difference between the sealing member hardening time and panel using time can become ≤±20°C.

CONSTITUTION: This transformation panel is constituted of a stimulable phosphor layer 1, supporting body 2, and protective layer 3. The peripheral margin of the panel is sealed with a sealing member 4 so as to protect the layer 1 from an external physi cal or chemical stimulus. When the sealing member 4 is hardened, the temperature of the supporting body 2 and protective layer 3 is maintained at a level so that the temperature difference between the sealing member hardening time and panel using time can become ≤±20°C. Since the supporting body 2 and protective layer 3 are sealed while their temperature is maintained closely to the temperature produced when the panel is used in such way, deformation, such as a bend, distortion, etc., does not occur in the panel when the panel is used and the characteristics of the stimulable phosphor can be maintained well.

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